

Title (en)
Highly sensitive immunochromatography method

Title (de)
Hochempfindliches Immunochromatografieverfahren

Title (fr)
Procédé immunochromatographique hautement sensible

Publication
EP 2506013 B1 20141231 (EN)

Application
EP 12159450 A 20120314

Priority
JP 2011078046 A 20110331

Abstract (en)
[origin: EP2506013A2] Provided is an immunochromatography method that enables highly sensitive detection by reducing the background density of a non-measurement site in the immunochromatography method. The immunochromatography method includes developing a complex of a substance to be tested and a labeling substance containing a metal modified with a first binding substance for the substance to be tested on an insoluble carrier in the presence of a surfactant having a steroid skeleton while the substance to be tested and the labeling substance form the complex; and detecting the complex of the substance to be tested by capturing the substance to be tested and the labeling substance on a detection site of the insoluble carrier containing a second binding substance for the substance to be tested or a substance that can bind to the first binding substance for the substance to be tested.

IPC 8 full level
G01N 33/543 (2006.01); **G01N 33/558** (2006.01)

CPC (source: EP US)
G01N 33/54388 (2021.08 - US); **G01N 33/558** (2013.01 - EP)

Citation (examination)
EP 0733210 B1 20030827 - BECKMAN COULTER INC [US]

Cited by
EP3951393A4; EP3845900A4; EP4130744A4; EP3246704A4; EP3435081A4; EP3859334A4; GB2604367A; GB2618968A; WO2022185061A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2506013 A2 20121003; EP 2506013 A3 20130227; EP 2506013 B1 20141231; JP 2012211849 A 20121101; JP 5416159 B2 20140212; US 2012252004 A1 20121004

DOCDB simple family (application)
EP 12159450 A 20120314; JP 2011078046 A 20110331; US 201213419153 A 20120313